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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. M4065.0475/P475

First Inventor John T. Moore

Title APPARATUS AND METHOD FOR DUAL, etc.

Express Mail Label No.

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)
2.  Applicant claims small entity status.  
See 37 CFR 1.27.
3.  Specification [Total Pages 20]  
(preferred arrangement set forth below)  
 - Descriptive title of the invention  
 - Cross Reference to Related Applications  
 - Statement Regarding Fed sponsored R & D  
 - Reference to sequence listing, a table,  
 or a computer program listing appendix  
 - Background of the Invention  
 - Brief Summary of the Invention  
 - Brief Description of the Drawings (if filed)  
 - Detailed Description  
 - Claim(s)  
 - Abstract of the Disclosure
4.  Drawing(s) (35 U.S.C. 113) [Total Sheets 8]
5. Oath or Declaration [Total Pages 2]  
 a.  Newly executed (original or copy)  
 b.  Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)  
 i.  DELETION OF INVENTOR(S)  
 Signed statement attached deleting  
 inventor(s) named in the prior application,  
 see 37 CFR 1.63(d)(2) and 1.33(b).
6.  Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:** Box Patent Application  
 Commissioner for Patents  
 Washington, DC 20231

7.  CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)
8.  Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
- a.  Computer Readable Form (CRF)
- b. Specification Sequence Listing on:  
 i.  CD-ROM or CD-R (2 copies); or ii.  paper
- c.  Statements verifying identity of above copies

U.S.P.T.O.  
C973 06/28/2001  
38672**ACCOMPANYING APPLICATIONS PARTS**

9.  Assignment Papers (cover sheet & document(s))
10.  37 CFR 3.73(b) Statement  
(when there is an assignee)  Power of Attorney
11.  English Translation Document (if applicable)
12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations
13.  Preliminary Amendment
14.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15.  Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16.  Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i).  
Applicant must attach form PTO/SB/35 or its equivalent.
17.  Other: \_\_\_\_\_

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation  Divisional  Continuation-in-part (CIP) of prior application No.: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_ Group / Art Unit: \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

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|-------------------|---|-----------------------------------|-----------------|
| Name (Print/Type) | Thomas J. D'Apice   | Registration No. (Attorney/Agent) | 28,371          |
| Signature         |  |                                   | Date            |
|                   |   |                                   | August 27, 2001 |

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j1054 U.S. PTO  
08/27/01

# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 1,178.00)

| Complete if Known    |                  |
|----------------------|------------------|
| Application Number   | Not Yet Assigned |
| Filing Date          | August 27, 2001  |
| First Named Inventor | John T. Moore    |
| Examiner Name        | Not Yet Assigned |
| Group Art Unit       | N/A              |
| Attorney Docket No.  | M4065.0475/P475  |

| METHOD OF PAYMENT   |          | FEE CALCULATION (continued)  |          |  |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
|---|----------|--|----------|--|----------|-----------------|----------|-----------------|----------|-----|------------------------|--------------------|--------|-------------------------------------|-----|-----------------------------------|-----|-------------------|-----|---|---------------------------------------|-----|-----|------------------|-----|--|-----|-----|-------|--------------------|--|---|-----|---------------|------|---|------|--|--|---------------|--------|--|--------|---|--|-----|-----|-----|----|--|--|-----|-----|-----|-----|---|--|-----|-----|-----|-----|--|--|-----|-------|-----|-----|---|--|-----|-------|-----|-----|--|--|-----|-----|-----|-----|------------------|--|-----|-----|-----|-----|--|--|-----|-----|-----|-----|--------------------------|--|-----|-------|-----|-------|---|--|-----|-----|-----|----|----------------------------------|--|-----|-------|-----|-----|------------------------------------|--|-----|-------|-----|-----|--------------------------------|--|-----|-----|-----|-----|------------------|--|-----|-----|-----|-----|-----------------|--|-----|-----|-----|-----|-------------------------------|--|-----|----|-----|----|-------------------------------------|--|-----|-----|-----|-----|---|--|-----|----|-----|----|--|--|-----|-----|-----|-----|---|--|-----|-----|-----|-----|---|--|-----|-----|-----|-----|---|--|-----|-----|-----|-----|---|--|---------------------------|--|--|--|--|--|
| <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:<br>Deposit Account Number <b>04-1073</b><br>Deposit Account Name <b>Dickstein Shapiro Morin &amp; Oshinsky LLP</b><br><input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Applicant claims small Entity status. See 37 CFR 1.27   |          | <b>3. ADDITIONAL FEES</b><br>Large Entity      Small Entity<br><table border="1"> <thead> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td></td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet.</td><td></td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td></td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for ex parte reexamination</td><td></td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td></td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td></td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td></td></tr> <tr><td>116</td><td>390</td><td>216</td><td>195</td><td>Extension for reply within second month</td><td></td></tr> <tr><td>117</td><td>890</td><td>217</td><td>445</td><td>Extension for reply within third month</td><td></td></tr> <tr><td>118</td><td>1,390</td><td>218</td><td>695</td><td>Extension for reply within fourth month</td><td></td></tr> <tr><td>128</td><td>1,890</td><td>228</td><td>945</td><td>Extension for reply within fifth month</td><td></td></tr> <tr><td>119</td><td>310</td><td>219</td><td>155</td><td>Notice of Appeal</td><td></td></tr> <tr><td>120</td><td>310</td><td>220</td><td>155</td><td>Filing a brief in support of an appeal</td><td></td></tr> <tr><td>121</td><td>270</td><td>221</td><td>135</td><td>Request for oral hearing</td><td></td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td></td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td></td></tr> <tr><td>141</td><td>1,240</td><td>241</td><td>620</td><td>Petition to revive - unintentional</td><td></td></tr> <tr><td>142</td><td>1,240</td><td>242</td><td>620</td><td>Utility issue fee (or reissue)</td><td></td></tr> <tr><td>143</td><td>440</td><td>243</td><td>220</td><td>Design issue fee</td><td></td></tr> <tr><td>144</td><td>600</td><td>244</td><td>300</td><td>Plant issue fee</td><td></td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td></td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Processing fee under 37 CFR 1.17(q)</td><td></td></tr> <tr><td>126</td><td>180</td><td>126</td><td>180</td><td>Submission of Information Disclosure Stmt</td><td></td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146</td><td>710</td><td>246</td><td>355</td><td>Filing a submission after final rejection (37 CFR 1.129(a))</td><td></td></tr> <tr><td>149</td><td>710</td><td>249</td><td>355</td><td>For each additional invention to be examined (37CFR 1.129(b))</td><td></td></tr> <tr><td>179</td><td>710</td><td>279</td><td>355</td><td>Request for Continued Examination (RCE)</td><td></td></tr> <tr><td>169</td><td>900</td><td>169</td><td>900</td><td>Request for expedited examination of a design application</td><td></td></tr> <tr><td colspan="2">Other fee (specify) _____</td><td colspan="2"></td><td></td><td></td></tr> </tbody> </table> |          | Fee Code   | Fee (\$) | Fee Code        | Fee (\$) | Fee Description | Fee Paid | 105 | 130                    | 205                | 65     | Surcharge - late filing fee or oath |     | 127                               | 50  | 227               | 25  | Surcharge - late provisional filing fee or cover sheet. |                                       | 139 | 130 | 139              | 130 | Non-English specification                          |     | 147 | 2,520 | 147                | 2,520  | For filing a request for ex parte reexamination |     | 112           | 920* | 112   | 920* | Requesting publication of SIR prior to Examiner action |  | 113           | 1,840* | 113  | 1,840* | Requesting publication of SIR after Examiner action |  | 115 | 110 | 215 | 55 | Extension for reply within first month |  | 116 | 390 | 216 | 195 | Extension for reply within second month |  | 117 | 890 | 217 | 445 | Extension for reply within third month |  | 118 | 1,390 | 218 | 695 | Extension for reply within fourth month |  | 128 | 1,890 | 228 | 945 | Extension for reply within fifth month |  | 119 | 310 | 219 | 155 | Notice of Appeal |  | 120 | 310 | 220 | 155 | Filing a brief in support of an appeal |  | 121 | 270 | 221 | 135 | Request for oral hearing |  | 138 | 1,510 | 138 | 1,510 | Petition to institute a public use proceeding |  | 140 | 110 | 240 | 55 | Petition to revive - unavoidable |  | 141 | 1,240 | 241 | 620 | Petition to revive - unintentional |  | 142 | 1,240 | 242 | 620 | Utility issue fee (or reissue) |  | 143 | 440 | 243 | 220 | Design issue fee |  | 144 | 600 | 244 | 300 | Plant issue fee |  | 122 | 130 | 122 | 130 | Petitions to the Commissioner |  | 123 | 50 | 123 | 50 | Processing fee under 37 CFR 1.17(q) |  | 126 | 180 | 126 | 180 | Submission of Information Disclosure Stmt |  | 581 | 40 | 581 | 40 | Recording each patent assignment per property (times number of properties) |  | 146 | 710 | 246 | 355 | Filing a submission after final rejection (37 CFR 1.129(a)) |  | 149 | 710 | 249 | 355 | For each additional invention to be examined (37CFR 1.129(b)) |  | 179 | 710 | 279 | 355 | Request for Continued Examination (RCE) |  | 169 | 900 | 169 | 900 | Request for expedited examination of a design application |  | Other fee (specify) _____ |  |  |  |  |  |
| Fee Code  | Fee (\$) | Fee Code   | Fee (\$) | Fee Description  | Fee Paid |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 105   | 130      | 205  | 65       | Surcharge - late filing fee or oath  |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 127   | 50       | 227  | 25       | Surcharge - late provisional filing fee or cover sheet.                    |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 139   | 130      | 139  | 130      | Non-English specification  |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 147   | 2,520    | 147  | 2,520    | For filing a request for ex parte reexamination                            |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 112   | 920*     | 112  | 920*     | Requesting publication of SIR prior to Examiner action                     |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 113   | 1,840*   | 113  | 1,840*   | Requesting publication of SIR after Examiner action                        |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 115   | 110      | 215  | 55       | Extension for reply within first month                                     |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 116   | 390      | 216  | 195      | Extension for reply within second month                                    |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 117   | 890      | 217  | 445      | Extension for reply within third month                                     |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 118   | 1,390    | 218  | 695      | Extension for reply within fourth month                                    |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 128   | 1,890    | 228  | 945      | Extension for reply within fifth month                                     |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 119   | 310      | 219  | 155      | Notice of Appeal   |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 120   | 310      | 220  | 155      | Filing a brief in support of an appeal                                     |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 121   | 270      | 221  | 135      | Request for oral hearing   |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 138   | 1,510    | 138  | 1,510    | Petition to institute a public use proceeding                              |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 140   | 110      | 240  | 55       | Petition to revive - unavoidable   |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 141   | 1,240    | 241  | 620      | Petition to revive - unintentional   |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 142   | 1,240    | 242  | 620      | Utility issue fee (or reissue)   |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 143   | 440      | 243  | 220      | Design issue fee   |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 144   | 600      | 244  | 300      | Plant issue fee  |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 122   | 130      | 122  | 130      | Petitions to the Commissioner  |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 123   | 50       | 123  | 50       | Processing fee under 37 CFR 1.17(q)  |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 126   | 180      | 126  | 180      | Submission of Information Disclosure Stmt                                  |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 581   | 40       | 581  | 40       | Recording each patent assignment per property (times number of properties) |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 146   | 710      | 246  | 355      | Filing a submission after final rejection (37 CFR 1.129(a))                |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 149   | 710      | 249  | 355      | For each additional invention to be examined (37CFR 1.129(b))              |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 179   | 710      | 279  | 355      | Request for Continued Examination (RCE)                                    |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 169   | 900      | 169  | 900      | Request for expedited examination of a design application                  |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| Other fee (specify) _____   |          |  |          |  |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 2. <input type="checkbox"/> Payment Enclosed<br><input type="checkbox"/> Check <input type="checkbox"/> Credit Card <input type="checkbox"/> Money Order <input type="checkbox"/> Other   |          | <b>FEE CALCULATION</b>   |          |  |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| <b>1. BASIC FILING FEE</b><br>Large Entity      Small Entity<br><table border="1"> <thead> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101</td><td>710</td><td>201</td><td>355</td><td>Utility filing fee</td><td>710.00</td></tr> <tr><td>106</td><td>320</td><td>206</td><td>160</td><td>Design filing fee</td><td></td></tr> <tr><td>107</td><td>490</td><td>207</td><td>245</td><td>Plant filing fee</td><td></td></tr> <tr><td>108</td><td>710</td><td>208</td><td>355</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>150</td><td>214</td><td>75</td><td>Provisional filing fee</td><td></td></tr> <tr><td colspan="2"><b>SUBTOTAL (1) (\$)</b></td><td colspan="2"><b>710.00</b></td></tr> </tbody> </table>  |          | Fee Code   | Fee (\$) | Fee Code   | Fee (\$) | Fee Description | Fee Paid | 101             | 710      | 201 | 355                    | Utility filing fee | 710.00 | 106                                 | 320 | 206                               | 160 | Design filing fee |     | 107   | 490                                   | 207 | 245 | Plant filing fee |     | 108  | 710 | 208 | 355   | Reissue filing fee |  | 114   | 150 | 214           | 75   | Provisional filing fee  |      | <b>SUBTOTAL (1) (\$)</b>                               |  | <b>710.00</b> |        | <b>2. EXTRA CLAIM FEES</b><br>Extra Claims      Fee from below<br>Total Claims <b>46</b> -20** = <b>26</b> X <b>18.00</b> = <b>468.00</b><br>Independent Claims <b>3</b> -3** = <b>0</b> X <b>0.00</b> = <b>0.00</b><br>Multiple Dependent <b>0</b> = <b>0</b> |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| Fee Code  | Fee (\$) | Fee Code   | Fee (\$) | Fee Description  | Fee Paid |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 101   | 710      | 201  | 355      | Utility filing fee   | 710.00   |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 106   | 320      | 206  | 160      | Design filing fee  |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 107   | 490      | 207  | 245      | Plant filing fee   |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 108   | 710      | 208  | 355      | Reissue filing fee   |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 114   | 150      | 214  | 75       | Provisional filing fee   |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| <b>SUBTOTAL (1) (\$)</b>  |          | <b>710.00</b>  |          |  |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| Large Entity      Small Entity<br><table border="1"> <thead> <tr> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Code</th> <th>Fee (\$)</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td></tr> <tr><td>102</td><td>80</td><td>202</td><td>40</td><td>Independent claims in excess of 3</td></tr> <tr><td>104</td><td>270</td><td>204</td><td>135</td><td>Multiple dependent claim, if not paid</td></tr> <tr><td>109</td><td>80</td><td>209</td><td>40</td><td>** Reissue independent claims over original patent</td></tr> <tr><td>110</td><td>18</td><td>210</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td></tr> <tr><td colspan="2"><b>SUBTOTAL (2) (\$)</b></td><td colspan="2"><b>468.00</b></td></tr> </tbody> </table> |          | Fee Code   | Fee (\$) | Fee Code   | Fee (\$) | Fee Description | 103      | 18              | 203      | 9   | Claims in excess of 20 | 102                | 80     | 202                                 | 40  | Independent claims in excess of 3 | 104 | 270               | 204 | 135   | Multiple dependent claim, if not paid | 109 | 80  | 209              | 40  | ** Reissue independent claims over original patent | 110 | 18  | 210   | 9                  | ** Reissue claims in excess of 20 and over original patent | <b>SUBTOTAL (2) (\$)</b>                        |     | <b>468.00</b> |      | *Reduced by Basic Filing Fee Paid <b>SUBTOTAL (3) (\$)</b><br><b>468.00</b> |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| Fee Code  | Fee (\$) | Fee Code   | Fee (\$) | Fee Description  |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 103   | 18       | 203  | 9        | Claims in excess of 20   |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 102   | 80       | 202  | 40       | Independent claims in excess of 3  |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 104   | 270      | 204  | 135      | Multiple dependent claim, if not paid                                      |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 109   | 80       | 209  | 40       | ** Reissue independent claims over original patent                         |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| 110   | 18       | 210  | 9        | ** Reissue claims in excess of 20 and over original patent                 |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |
| <b>SUBTOTAL (2) (\$)</b>  |          | <b>468.00</b>  |          |  |          |                 |          |                 |          |     |                        |                    |        |                                     |     |                                   |     |                   |     |   |                                       |     |     |                  |     |  |     |     |       |                    |  |   |     |               |      |   |      |  |  |               |        |  |        |   |  |     |     |     |    |  |  |     |     |     |     |   |  |     |     |     |     |  |  |     |       |     |     |   |  |     |       |     |     |  |  |     |     |     |     |                  |  |     |     |     |     |  |  |     |     |     |     |                          |  |     |       |     |       |   |  |     |     |     |    |                                  |  |     |       |     |     |                                    |  |     |       |     |     |                                |  |     |     |     |     |                  |  |     |     |     |     |                 |  |     |     |     |     |                               |  |     |    |     |    |                                     |  |     |     |     |     |   |  |     |    |     |    |  |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |     |     |     |     |   |  |                           |  |  |  |  |  |

\*\*or number previously paid, if greater; For Reissues, see above

| SUBMITTED BY      |   | Complete (if applicable)             |                 |
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| Signature         |  | Date                                 | August 27, 2001 |